

CLAIMS

1. A nailing machine comprising:

a striking mechanism including a piston integrally coupled with a driver for striking a nail and a cylinder slidably 5 accommodating the piston;

a housing accommodating the striking mechanism and attached with a nose portion for slidably guiding the driver at a front end thereof;

10 a start valve for driving the striking mechanism by supplying compressed air into the cylinder and returning the striking mechanism to an initial position by exhausting the compressed air in the cylinder;

a trigger lever operated by the finger;

15 a contact arm operated by bringing the nose portion into contact with a work;

a contact lever, wherein one end side of the contact lever is axially supported pivotably, an operating end on another end of the contact lever is arranged to be opposed to an upper end of the contact arm, and the contact lever is operated to 20 pivot by operating the trigger lever and the contact arm;

a valve stem provided at the start valve and operated by the contact lever;

a switch operating member provided at a front end portion of the contact arm for setting to switch a single striking

mode and a continuous striking mode; and  
a pivot restricting mechanism for restricting the contact  
lever from being pivoted to maintain the valve stem to maintain  
a state of operating to make the start valve ON when the switch  
5 operating member is set to be switched to the single striking  
mode.

2. The nailing machine according to Claim 1, wherein the  
pivot restricting mechanism includes an operating lever  
10 supported so as to be pivoted by the switch operating member,  
the operating lever is arranged to be opposed to the contact  
lever, and

the operating lever restricts an amount of pivoting the  
contact lever by being engaged with a middle portion of the  
15 contact lever when the switch operating member is set to the  
single striking mode.

3. The nailing machine according to Claim 1, wherein the  
pivot restricting mechanism includes an operating piece formed  
20 to direct upward at the switch operating member,  
the operating piece is arranged to be opposed to a middle  
portion of the contact lever, and

the operating piece restricts an amount of pivoting the  
contact lever by being engaged with the middle portion of the

contact lever when the switch operating member is set to the single striking mode.

4. The nailing machine according to Claim 1, wherein the

5 switch operating member moves upward so as to set the single striking mode when the contact arm is operated in a state in which the trigger lever is not operated, and

the switch operating member is hampered from moving upward so as to set the continuous striking mode when the trigger 10 lever is operated in a state in which the contact arm is not operated.

5. The nailing machine according to Claim 1,

wherein the valve stem is operated among

15 a lower dead center,

an upper dead center,

a first middle portion at which the start valve in a state of being operated to be OFF is operated to be ON when the valve stem is operated in a direction to the upper dead 20 center from the lower dead center, and

a second middle position at which the start valve in a state of being operated to be ON is operated to be OFF when the valve stem is operated in a direction to the lower dead center from the upper dead center, and

wherein the first middle position is positioned to a side  
of the upper dead center than the second middle position.

6. The nailing machine according to Claim 5, wherein the  
5 valve stem is maintained on a side of the upper dead center  
than the second middle position when the contact lever is  
restricted from being pivoted by the pivot restricting mechanism.